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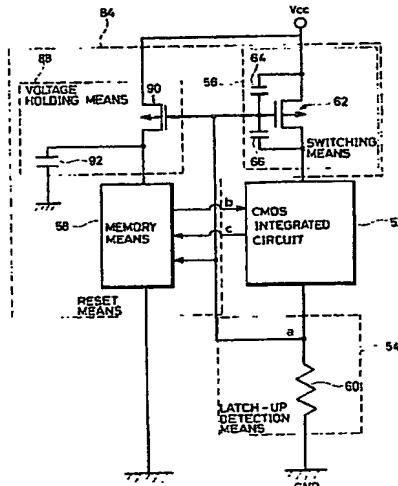
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(54) Complementary circuit device returnable to normal operation from latch-up phenomenon.

(57) A complementary circuit device which cancels a latch-up phenomenon to return to normal operation includes a complementary circuit (52), a latch-up detection circuit (54) and a reset circuit (84). The complementary circuit (52), which is normally started from a prescribed state in response to initial power supply, may be erroneously started when the same is resupplied with power immediately after occurrence of a latch-up phenomenon. The latch-up detection circuit (54) detects a latch-up phenomenon occurring in the complementary circuit (52). The reset circuit resets the complementary circuit (52) from the prescribed state in response to an output from the latch-up detection circuit (54). The complementary circuit (52) is reset from the prescribed state similarly to the case of initial power supply, whereby the same is normally started to return to its operation also upon cancellation of the latch-up phenomenon.

FIG. 8





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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	DD-A-2 605 93 (VEB FORSCHUNGSZENTRUM) * Whole document -----	1	H 03 K 17/08 H 03 K 17/22
Y	GB-B-2 120 427 (NISSAN MOTOR CO., LTD) * Page 3, line 20 - page 4b, line 17 -----	2-18 2-18	
A	US-A-4 594 633 (TOWNSEND et al.) -----		
D,A	PATENT ABSTRACTS OF JAPAN, vol. 9, no. 65 (E-304), 26th March 1985; & JP-A-59 202 659 (TOSHIBA K.K.) 16-11-1984 -----		
TECHNICAL FIELDS SEARCHED (Int. Cl.5)			
H 03 K H 02 H G 06 F			
The present search report has been drawn up for all claims			
Place of search	Date of completion of search	Examiner	
The Hague	27 December 90	SEGAERT P.A.O.M.P.	
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